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Smiths Medical

Medfusion™ 3500

Syringe Pump with PharmGuard™ Medication Safety Software

Designed to Reduce Medication Errors with Easy-to-Use, Advanced Technology

Programmable Dose Limits
PharmGuard™

Rapid Occlusion Detection
FlowSentry™

Post-Occlusion Bolus Reduction

Connectivity with Patient Data Management Systems

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3500

Medfusion™ **3500** Syringe Pump with PharmGuard™ Medication Safety Software

"Smart" Programmable Safety Limits and Recordable Events

The Medfusion™ 3500 Syringe Pump with PharmGuard™ Medication Safety Software encourages simultaneous programmable hard and soft limits for dose, rate, weight, time and all modes of delivery (e.g. continuous, bolus and beginning loading doses). When exceeded, these safety limits alert the clinician and provide an electronic record of the event, which is then compiled in PharmGuard's state-of-the-art reports.

"Intelligent" Pressure Monitoring

Experience breakthrough rapid occlusion detection technology with FlowSentry,™ a comprehensive array of pressure-related safety features. These include our most rapid alarm response time (less than five minutes at 1.0ml/hr with a 60cc syringe) and reduced false alarms.† An enhanced graphic display of pressure trend allows earlier opportunities for clinical intervention, and a post-occlusion bolus reduction feature decreases post-occlusion bolus to less than 0.3ml. All this without the use of expensive dedicated disposable sets.

Ergonomic and Accessible

A horizontal design protects the entire syringe barrel and allows effortless, single-handed loading of all syringe sizes. The large, bright screen with adjustable backlighting complements an intuitive hardware interface. Included is a innovative rotating pole mounted clamp to allow for flexibility in the orientation of your preference.

Communications Enabled

The Medfusion™ 3500 Syringe Pump imports and exports data as an integrated part of any patient data management system. An available communication accessory will allow the pump to communicate in multiple modes including IR and RS232. These protocols may be adapted and customized to interface with your environment. Future upgrades to the current Medfusion platform will be addressing the hospital's desire to integrate bar coding (on-board and network based) in both wireless and wired networks. These enhanced capabilities improve the efficiency and effectiveness of the transmission of information throughout the facility and at the bedside.

Safety and Value for Customers

The Medfusion™ 3500 Syringe Pump with PharmGuard™ Medication Safety Software is an intuitive system designed to enhance safety while maintaining simplicity. Its value goes beyond the product, extending to Medex expertise in training and implementation—the best in the industry. Customer benefits include an educated and satisfied workforce, streamlined implementation and improved workflow.

Medfusion™ **3500** Syringe Pump
with PharmGuard™ Medication Safety Software

Specifications

Dimensions
10.5" wide x 5.1" high x 5.5" deep
27 cm x 13 cm x 14 cm

Weight (pump only)
3.8 lbs.
1.7 kg

Accuracy
Nominal +/-2% excluding syringe variations

Flow Rate Range
dependent upon syringe size
0.01 ml/hr to 1130 ml/hr

Delivery Modes
- ml/hr
- Body Weight
- Mass
- Volume Over Time
- Custom Dilution
- Intermittent

Delivery Options
13 options include Loading Dose, Bolus Dose, Standby, Volume Limit, and KVO Rate

Power Sources
- 100 to 240 VAC, 50/60 Hz, 30VA
- Internal Rechargeable Battery
- Optional External DC Input
  6 to 14 VDC, 7 Watts
- Safety Class II–Type CF

Internal Battery Capacity
at 25° C
10 hours at 5.0 ml/hr with 60 ml syringe (from fully charged battery)

User-Defined Delivery Libraries
- Four libraries with 16 profiles per library
- One library is "E-Plates" for optional rapid setup

MRI Tested‡
May be used in MRI rooms with static magnetic fields up to 150 gauss.

† Occlusion response time is affected by syringe size, flow rate, and pressure setting.

‡ See Operations Manual for specific criteria.

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